

The following is the clean set of claims to be entered in the application. Note that claims 36 and 45 are canceled.

34. An isolated nucleic acid comprising the nucleotide sequence as shown in SEQ ID.No. 2.

46. **(New)** An isolated nucleic acid which comprises between about 10 and 7000 consecutive nucleotides of SEQ ID NO:2, wherein said nucleic acid contains position 8845 of SEQ ID NO:2.

47. **(New)** An isolated nucleic acid of claim 46, which comprises between about 15 and 7000 consecutive nucleotides of SEQ ID NO:2.

48. **(New)** An isolated nucleic acid of claim 46, which comprises between about 20 and 7000 consecutive nucleotides of SEQ ID NO:2.

49. **(New)** An isolated nucleic acid of claim 46, which comprises between about 25 and 7000 consecutive nucleotides of SEQ ID NO:2.

50. **(New)** An isolated nucleic acid of claim 46, which comprises between about 30 and 7000 consecutive nucleotides of SEQ ID NO:2.

51. **(New)** An isolated nucleic acid of claim 46, which comprises between about 100 and 7000 consecutive nucleotides of SEQ ID NO:2.

52. **(New)** An isolated nucleic acid of claim 46, which comprises between about 5000 and 7000 consecutive nucleotides of SEQ ID NO:2.

53. **(New)** An isolated nucleic acid that is a complement of the isolated nucleic acid of claim 46.

54. **(New)** An isolated nucleic acid of claim 46, further comprising a label.

55. **(New)** The isolated nucleic acid of claim 54, wherein the label is selected from the group consisting of: a radiolabel, an enzyme, a fluorescent compound, streptavidin, avidin, biotin, a magnetic moiety, a metal-binding moiety, an antigen moiety and an antibody moiety.

56. **(New)** The nucleic acid of claim 46, wherein the nucleic acid is bound to a solid phase support.

57. **(New)** The nucleic acid of claim 46, wherein the nucleic acid is part of a probe array.

REMARKS:

Applicants note with appreciation Examiner's allowance of claims 34, 36 and 45. Prior to issuance, and in part to avoid subsequent double patenting rejections, Applicants present here additional claims that are related to those already allowed.

Please add new claims 46-57. Previously allowed claims 36 and 45 are canceled, however the subject matter of these claims has been rewritten in dependent form in claims 52 and 51, respectively. Previously allowed claim 34 is presented exactly as allowed. Support for